



# HELP PROTECT YOUR PATIENTS AND PREVENT COMPLICATIONS.

**Clinician-inspired tools for the operating room**  
McGRATH™ MAC video laryngoscope and  
Shiley™ airway management products

**Medtronic**  
Further. Together

## AIRWAY MANAGEMENT TOOLS INSPIRED BY YOU

We have the solution to your airway management needs.

The versatile McGRATH™ MAC video laryngoscope and specialized Shiley™ endotracheal tubes.

Two powerful technologies. Tools designed to help clinicians meet the unique airway management needs of a wide variety of patient types. These tools may help reduce postoperative complications, including increased mortality rates, longer hospital stays, and increased costs.<sup>1</sup>

## DESIGNED FOR ROUTINE USE.

With the McGRATH™ MAC video laryngoscope, a difficult airway doesn't have to be a difficult intubation.

Make your first attempt your best. Because the McGRATH™ MAC video laryngoscope offers:

- Confidence of the familiar Macintosh technique — with portrait video display
- Simplicity of single-button functionality, with minute-by-minute battery indication and auto-off capability
- Convenience of disposable, sterile blades





## HELP SECURE AIRWAYS. WITH THE RIGHT PRODUCTS.

Every patient is unique. That's why we offer a variety of airway management products for the OR — including basic and specialty options in a broad range of sizes, from pediatric to adult.

The Shiley™ airways portfolio. Products trusted by surgical teams for more than 40 years.

### TaperGuard™ Cuff Technology

The Shiley™ intubation portfolio for the OR includes endotracheal tubes with innovative TaperGuard™ cuff technology. These tubes feature a unique, taper-shaped cuff that has a smaller area of contact with the patient's airway than the previous HiLo endotracheal tube products.<sup>2</sup>

The Shiley™ endotracheal tubes with TaperGuard™ cuff technology:

- Reduces the area of tracheal impact by 50 percent or more versus HiLo endotracheal tubes<sup>2,3</sup>
- Provide more uniform pressure distribution than Hi-Lo cuffs at equivalent intracuff pressures<sup>2</sup>
- Reduce microaspiration by as much as 90 percent compared to Hi-Lo cuffs<sup>3</sup>

# THE PORTFOLIO AT A GLANCE SHILEY™ AIRWAY MANAGEMENT



## Shiley™ endotracheal tube with TaperGuard™ technology

Providing exceptional quality for airway management solutions in the OR, this cuffed product features a clear, high volume, low pressure, taper-shaped cuff. Available with or without a preloaded stylet.



## Shiley™ oral and nasal RAE endotracheal tube with TaperGuard™ cuff

A preformed curve — to improve access to the operative field — makes this ideal for surgical procedures where aspiration is a concern. Available in cuffed and uncuffed versions.



## Shiley™ oral/ nasal reinforced endotracheal tube

A metal-reinforced spiral — encapsulated in the wall of the tube — reduces the risk of kinking. It also features a high volume, low pressure cuff for proper sealing within the trachea. Available in cuffed and uncuffed versions.



## Shiley™ laser oral endotracheal tube

Airtight, flexible, and laser resistant, this stainless steel tracheal tube is used for ventilation during CO<sub>2</sub> and KTP laser surgeries of the laryngeal or tracheal area. Available in dual cuffed or uncuffed versions.

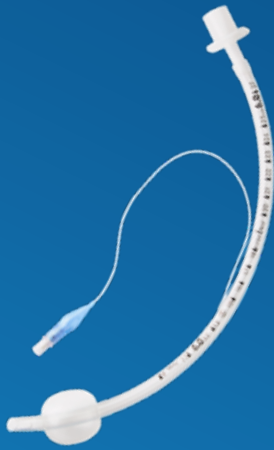


# ENDOTRACHEAL TUBES

## Shiley™ Hi-Lo oral and nasal endotracheal tube

Quality airway management — at a low cost. The cuffed product features a clear, high volume, low pressure, barrel-shaped cuff, and a Murphy eye at the distal end of the tube. It also has an X-ray line that facilitates position confirmation.

Available in cuffed and uncuffed versions.



## Shiley™ Lo-Pro oral and nasal endotracheal tube

An opaque endotracheal tube with a flexible high volume, low pressure cuff, it also has a tip-to-tip X-ray line for easy position confirmation.

Options include Murphy eye or Magill tip.



# ENDOBONCHIAL SOLUTIONS

## Shiley™ endobronchial tube

These tubes come in two options — one for each lung — to support oxygenation during single-lung ventilation. They feature:

- A low pressure tracheal and bronchial cuff to help minimize risk of mucosal damage
- A slight curve at the distal tip to assist with placement
- An X-ray opaque carinal hook for confirming placement

The bronchial cuff also assists with location of the distal tip, when verification is confirmed by a fiber optic bronchoscope.

Additional products may be available in your region. Ask your Medtronic sales representative for a complete list.



TAKE A  
**CLOSER LOOK**

Online at  
[medtronic.com/covidien/en-gb/products/intubation.html](http://medtronic.com/covidien/en-gb/products/intubation.html)

1. Tevis S, Kennedy G. Postoperative complications and implications on patient-centered outcomes. *J Surg Res.* 2013;181(1):106-113.
2. Lichtenthal PR, Wood L, Wong A, Borg U. Pressure applied to tracheal wall by barrel and taper shaped cuffs. Presented at: Anesthesiology 2011 American Society of Anesthesiologists Annual Meeting; October 15-19, 2011; Chicago, IL. <http://www.asaabstracts.com/strands/asaabstracts/abstract>.
3. Shiotsuka J, Lefor AT, Sanui M, Nagata O, Horiguchi A, Sasabuchi Y. A quantitative evaluation of fluid leakage around a polyvinyl chloride tapered endotracheal tube cuff using an in-vitro model. *HSR Proc Intensive Care Cardiovasc Anesth.* 2012;4(3):169-175.

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IMPORTANT: Please refer to the package insert for complete instructions, contraindications, warnings and precautions.

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